



JEPPIAAR
— UNIVERSITY —

CURRICULUM & SYLLABUS

(Regulations 2023)

School of Engineering and Technology

(SET)

**B.Tech Electronics and
Communication Engineering**

B.Tech Electronics and Communication Engineering

SUMMARY OF CREDITS

SNO	YEAR	SEMESTER	CREDITS
1	Year I	Semester 1	25
2	Year I	Semester 2	22`
3	Year II	Semester 3	22
4	Year II	Semester 4	23
5	Year III	Semester 5	23
6	Year III	Semester 6	23
7	Year IV	Semester 7	20
8	Year IV	Semester 8	12
		TOTAL CREDITS	170

SEMESTER I							
Sl. No.	Category	Course Code	Course Title	L	T	P	C
1	HS	EENG1001	Professional English- I	3	0	0	3
2	HS	AGTA1002	Tamil and Technology	3	0	0	1
		BTAM1001	Basic Tamil				
3	BS	EMAT1001	Engineering Mathematics- I	3	1	0	4
4	ES	ECS11001	Programming in C	3	0	0	3
5	BS	EEVS1001	Environmental Sciences and Sustainability	2	0	0	2
6	PC	EEC11001	Basic Digital Electronics	3	0	0	3
7	ES	EEGR1001	Engineering Graphics	3	0	0	2
8	ES	ECS41001	Programming in C Lab	0	0	4	2
9	AEA	ASPD5101	Soft Skills- Personality Development	0	0	2	1
10	PC	ECS41002	Basic Digital Electronics Laboratory	0	0	4	1
11	AEA	ELTC1001	IT Primer	3	0	0	3
			Total	20	1	10	25

SEMESTER 2							
Sl. No.	Category	Course Code	Course Title	L	T	P	C
1	HS	23EEN2002	Professional English - II	3	0	0	3
2	BS	23EMA2002	Engineering Mathematics - II	3	1	0	4
3	ES	23ECS2102	Problem Solving and Python Programming	3	0	0	3
4	BS	23EPH2004	Engineering Physics	3	0	0	3
5	PC	23EEC2102	Basics of Electrical and Electronics Engineering	3	0	0	3
6	ES	23ECS2402	Python Programming Laboratory	0	0	4	2
7	PC	23ECP5302	Computer Practices Laboratory	0	0	2	1
8	AEA	23ELT2103	Critical Thinking, Design Thinking, Leadership & Teamwork	3	0	0	3
			Total	18	1	6	22

S E M E S T E R 3

Sl. No.	Category	Course Code	Course Title	L	T	P	C
1	BS	23EMA3003	Engineering Mathematics - III	3	1	0	4
2	PC	23EEC3006	Signals and Systems	3	1	0	4
3	PC	23EEC3007	Electronic Devices and Circuits	3	0	2	4
4	PC	23EEC3008	Circuit Analysis	3	0	2	4
5	PC	23EEC3009	Electromagnetic Fields	3	0	0	3
6	AEA	23ELT3104	Full Stack Foundation	3	0	0	3
			Total	18	2	4	22

SEMESTER 4

Sl. No.	Category	Course Code	Course Title	L	T	P	C
1	PC	23EEC4010	Computer Architecture and Organization	3	0	0	3
2	PC	23EEC4011	Transmission lines and RF Systems	3	0	0	3
3	PC	23EEC4012	Linear Integrated Circuits	3	0	2	4
4	PC	23EEC4013	Networks and Security	3	0	0	3
5	PC	23EEC4014	Communication Systems	3	0	2	4
6	AEA	23ELT4105	Front End UI/UX Development	2	0	2	3
7	AEA	23ELT4106	Server Side Development and Database	2	0	2	3
			Total	19	0	8	23

SEMESTER 5

Sl. No.	Category	Course Code	Course Title	L	T	P	C
1	PC	23EEC5015	VLSI and Chip Design	3	0	2	4
2	PC	23EEC5016	Digital Signal Processing	3	0	2	4
3	PE		Professional Elective I	3	0	0	3
4	PE		Professional Elective II	3	0	0	3
5	PE		Professional Elective III	3	0	0	3
6	AEA	23ELT5107	Backend Frameworks and API	2	0	2	3
7	AEA	23ELT5108	Advanced Javascript Frameworks(Angular/React)	2	0	2	3
			Total	19	0	8	23

SEMESTER 6

Sl. No.	Category	Course Code	Course Title	L	T	P	C
1	PC	23EEC6017	Embedded Systems and IOT Design	3	0	2	4
2	PC	23EEC6018	Artificial Intelligence and Machine Learning	3	0	2	4
3	OE		Open Elective -I	3	0	0	3
4	PE		Professional Elective IV	3	0	0	3
5	PE		Professional Elective V	3	0	0	3
6	AEA	23ECS6207	Career Readiness in Digital era	3	0	0	3
7	AEA	23ELT6109	Testing and Deployment	3	0	0	3
			Total	21	0	4	23

SEMESTER 7

Sl. No.	Category	Course Code	Course Title	L	T	P	C
1	PC	23EEC7019	Wireless Communication	3	0	0	3
2	HS	23EHV7001	Human Values and Ethics	3	0	0	3
3	PE		Professional Elective VI	3	0	0	3
4	ME		Management Elective	3	0	0	3
5	OE		Open Elective-II	3	0	0	3
6	MC	23EMC7001	Industrial Safety	3	0	0	1
7	AEA	23AESI5705	Summer Internship	0	0	0	1
8	AEA	23ECS7209	Project Management for Professionals	3	0	0	3
			Total	21	0	0	20

SEMESTER 8

Sl. No.	Category	Course Code	Course Title	L	T	P	C
1	AEA	23AEPW5807	Project Work / Internship	0	0	24	12
			Total	0	0	24	12